

**EXHIBIT 1: BIOGRAPHICAL SKETCH**

Provide the following information for the key personnel in the order listed on Form Page 2.

NAME		POSITION TITLE		
Scott Koenig, M.D., Ph.D.		President and CEO		
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)				
INSTITUTION AND LOCATION		DEGREE	YEAR(s)	FIELD OF STUDY
Stuyvesant High School; New York, NY		Acad. Sci.	1969	
Cornell University; Ithaca, NY		A.B.	1973	Biology
Cornell University Graduate School of Medical Sciences, New York, New York		Ph.D.	1979	Biology (Immunology)
University of Texas Health Science Center at Houston, Houston, Texas		M.D.	1981	Medicine

**A. Professional Experience:**

1981-1982	Intern in Medicine, Hospital of the University of Pennsylvania, Philadelphia, PA
1982-1984	Resident in Medicine, Hospital of the University of Pennsylvania, Philadelphia, PA
1984-1987	Medical Staff Fellow, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Laboratory of Immunoregulation, Bethesda, MD
1987-1990	Senior Staff Fellow, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Laboratory of Immunoregulation, Bethesda, MD
1990-1994	Director of Immunology, MedImmune, Inc., Gaithersburg, MD
1994-1995	Director of Research, MedImmune, Inc., Gaithersburg, MD
1995-1999	Vice President, Research, MedImmune, Inc., Gaithersburg, MD
1999-2001	Sr. Vice President, Research, MedImmune, Inc., Gaithersburg, MD
2001-	President & Chief Executive Officer, MacroGenics, Inc. Rockville, MD
2003-	Member, Board of Scientific Counselors, National Institute of Allergy and Infectious Diseases, Bethesda, MD
2003-	Chairman, Board of Directors, Applied Genetic Technologies Corp, Alachua, FL
2005-	Member, Cornell University Council, Ithaca, NY

**B. Publications (selected):**

- Gorny, M.K., A.J. Conley, S. Karwoska, A. Buchbinder, J.-Y. Xu, E. Emini, S. Koenig, S. Zolla-Pazner. *Neutralization of Diverse HIV-1 Variants by an Anti-V3 Human Monoclonal Antibody*. J. Virol. 66: 7538-7542, 1992.
- Keller, P.A., B.A. Arnold, A.R. Shaw, R.L. Tolman, F.V. Middlesworth, S. Bondy, V.K. Rusiecki, S. Koenig, S. Zolla-Pazner, P. Conard, E.A. Emini, A.J. Conley. *Identification of HIV Vaccine Candidate Peptides by Screening Random Phage Epitope Libraries*. Virol. 193: 709-716, 1993.
- Miller, M.D., S. Gould-Fogerite, L. Shen, R.M. Woods, S. Koenig, R.J. Mannino, N.L. Letvin. *Vaccination of Rhesus Monkeys with Synthetic Peptide in a Fusogenic Proteoliposome Elicits Simian Immunodeficiency Virus-specific CD8+ Cytotoxic T Lymphocytes*. J. Exp. Med. 176: 1739-1744, 1992.
- Koenig, S., R.M. Woods, Y.A. Brewah, A.J. Newell, G.M. Jones, E. Boone, J.W. Adelsberger, M.W. Baseler, S.M. Robinson, S. Jacobson. *Characterization of MHC Class I Restricted Cytotoxic T Cell Responses to Tax in HTLV-1 Infected Patients with Neurologic Disease*. J. Immunol. 156: 3874-3883, 1993.
- Conley, A.J., M.K. Gorney, J.A. Kessler, II, L.J. Boots, M. Ossorio-Castro, S. Koenig, D.W. Lineberger, E.A. Emini, C. Williams, S. Zolla-Pazner. *Neutralization of Primary HIV-1 Virus Isolates by the Broadly-Reactive Anti-V3 Monoclonal Antibody, 447-52D*. J. Virol. 68: 6994-7000, 1994.
- White, W.I., D.R. Cassatt, J. Madsen, S.J. Burke, R.M. Woods, N.M. Wassef, C.R. Alving, S. Koenig. *Antibody and Cytotoxic T Lymphocyte Responses to a Single Liposome-Associated Peptide Antigen*. Vaccine, 13: 1111-1122, 1995.
- van Kuyk, R, B. Torbett, R.J. Gulizia, S. Leath, D.E. Mosier, S. Koenig. *Cloned Human CD8+ Cytotoxic T Lymphocytes Protect Human-PBL-SCID Mice HIV-1 Infection by an HLA-Unrestricted Mechanism*. J. Immunol. 153: 4826-4833, 1994.
- Boppana, S.B., M.A. Polis, A.A. Kramer, W.J. Britt, S. Koenig. *Virus Specific Antibody Responses to Human Cytomegalovirus (HCMV) in HIV-1 Infected Individuals with HCMV Retinitis*. J. Inf. Dis. 171: 182-185, 1995.
- Langermann, S., S.R. Palaszynski, J.E. Burlein, S. Koenig, M.S. Hanson, D.E. Briles, C.K. Stover. *Protective*

- Humoral Response Against Pneumococcal Infection in Mice Elicited by Recombinant BCG Vaccines Expressing PspA.* J. Exp. Med. 180: 2277-2287, 1994.
10. Salgaller, M.L., J.S. Weber, S. Koenig, J.R. Yannelli, S.A. Rosenberg. *Generation of Specific Anti-Melanoma Reactivity by Stimulation of Human Tumor-Infiltrating Lymphocytes with MAGE-1 Synthetic Peptide.* Canc. Immunol. Immunother. 39: 205-116, 1994.
  11. Langermann, S., S. Palaszynski, A. Sadziene, C.K. Stover, S. Koenig. *Systemic and Mucosal Immunity by a BCG Vector Expressing Outer-Surface Protein A of Borrelia burgdorferi.* Nature 372: 552-555, 1994.
  12. Lehky, T.J., C.H. Fox, S. Koenig, M.C. Levin, N. Flerlage, S. Izumo, E. Sato, C.S. Raine, M. Osame, S. Jacobson. *Detection of Human T-Lymphotropic Virus Type I (HTLV-1) Tax RNA in the Central Nervous System of HTLV-I-associated Myelopathy/ Tropical spastic Paraparesis by In Situ Hybridization.* Ann. Neurol. 37: 246-254, 1995.
  13. Pantaleo, G., J.F. Demarest, M. Vaccarezza, C. Graziosi, G.P. Bansal, S. Koenig, A.S. Fauci. *Effect of Anti-V3 Antibodies on Cell-Free and Cell-to-Cell Human Immuno- deficiency Virus Transmission.* Eur. J. Immunol. 25: 226-231, 1995.
  14. Yasutomi, Y., S. Koenig, R.M. Woods, J. Madsen, N.M. Wassef, C.R. Alving, H.J. Klein, T.E. Nolan, L.J. Boots, J.A. Kessler, E.A. Emimi, A.J. Conley, N.L. Letvin. *A Vaccine-Elicited, Single Viral Epitope-Specific Cytotoxic T lymphocyte Response Does Not Protect Against Intravenous, Cell-Free Simian Immunodeficiency Virus Challenge.* J. Virol. 69: 2279-2284 1995.
  15. Koenig, S., A.J. Conley, Y.A. Brewah, G.M. Jones, S. Leath, L.J. Boots, V. Davey, G. Pantaleo, J.F. Demarest, C. Carter, C. Wannebo, J.R. Yannelli, S.A. Rosenberg, H. C. Lane. *Transfer of HIV-1-specific Cytotoxic T Lymphocytes to an AIDS Patient Leads to Selection of Mutant HIV Variants and Subsequent Disease Progression.* Nature Med. 1: 330-336, 1995.
  16. Koenig, S. *A lesson from the HIV patient: The Immune Response is still the Bane (or Promise) of Gene Therapy.* Nature Med. 2: 165-167, 1996.
  17. Langermann, S., S. Palaszynski, M. Barnhart, G. Auguste, J.S. Pinker, J. Burlein, P. Barren, S. Koenig, S. Leath, C.H. Jones, and S. Hultgren. *Prevention of Mucosal Escherichia coli Infection by FimH-adhesin-based Systemic Vaccination.* Science 276: 607-611, 1997.
  18. Koenig, S., A.S. Fauci. *Immunology of HIV.* In: Third Edition of Sexually Transmitted Diseases. Editor: Stanley S. Lemon; Publishers: McGraw Hill, 1999.
  19. Johnson, S., C. Oliver, G.A. Prince, V.G. Hemming, D.S. Pfarr, S-C. Wang, M. Dormitzer, J. O'Grady, S. Koenig, J.K. Tamura, R. Woods, G. Bansal, D. Couchenour, E. Tsao, W.C. Hall, J.F. Young. *Development of a Humanized Monoclonal Antibody (MEDI-493) with Potent In Vitro and In Vivo Activity Against Respiratory Syncytial Virus (RSV).* J. Infect. Dis., 176: 1215-24, 1997.
  20. McCarthy, M.P., W.I. White, F. Palmer-Hill, S. Koenig, J.A. Suzich. *Quantitative Disassembly and Reassembly of Human Papillomavirus Type 11 Virus-like Particles In Vitro.* J. Virol., 72: 32-41, 1998.
  21. White, W.I., S.D. Wilson, W. Bonnez, R.C. Rose, S. Koenig, J.A. Suzich. *In vitro Infection and Type-Restricted Antibody-mediated Neutralization of Authentic Human Papillomavirus type 16.* J. Virol. 72: 959-964, 1998.
  22. Bostic, J.R., K.E. Brown, N.S. Young., S. Koenig. *Quantitative Analysis of Neutralizing Immune Responses to Human Parvovirus B19 Using a Novel Reverse Transcriptase-Polymerase Chain Reaction-Based Assay.* J. Infect. Dis. 179: 619-626, 1999.
  23. Branco, L., P. Barren, S-Y. Mao, D. Pfarr, R. Kaplan, C. Postema, S. Langermann, S. Koenig, S. Johnson. *NK Mediated Cytolysis in the Selective Depletion of Activated T cells by a Humanized Mab to CD2 (MEDI-507).* Transplantation 68: 1588-1596, 1999.
  24. Langermann, S., R. Mollby, J.E. Burlein, S.R. Palaszynski, C.G. Auguste, A. DeFusco, R. Strouse, M.A. Schenerman, S.J. Hultgren, J.S. Pinkner, J. Winberg, L. Guldevall, M. Soderhall, K. Ishikawa, S. Normark, S. Koenig. *Vaccination with FimH Adhesin Protects against Escherichia coli Cystitis.* J. Infect. Dis., 181: 774-778, 2000.
  25. Edelman, R., K. Palmer, K.G. Russ, H.P. Secrest, J.L. Becker, S.A. Bodison, J.G. Perry, A.R. Sills, A.G. Barbour, C.J. Luke, M.S. Hanson, C.K. Stover, J.E. Burlein, G.P. Bansal, E.M. Connor, S. Koenig. *Safety and Immunogenicity of Recombinant Bacille Calmette-Guerin (rBCG) Expressing Borrelia burgdorferi Outer Surface Protein A (OspA) Lipoprotein in Adult Volunteers: A Candidate Lyme Disease Vaccine.* Vaccine 17: 904-14, 1999.
  26. White, W.I., S.D. Wilson, F.J. Palmer-Hill, R.M. Woods, S-J. Ghim, L.A. Hewitt, D.. Goldman, S.J. Burke, A.B. Jenson, S. Koenig, J.A. Suzich. *Characterization of a Major Neutralizing Epitope on Human Papillomavirus Type 16L1.* J. Virol., 73: 4882-89, 1999.
  27. Johnson, S., S.D. Griego, D.S. Pfarr, M.L. Doyle, R. Woods, D. Carlin, G.A. Prince, S. Koenig, J.F. Young, S.B. Dillon. *A Direct Comparison of the Activities of Two Humanized RSV Mabs: MEDI-493 and RSHZ19.* J. Infect. Dis. 180: 35-40, 1999.
  28. Adamou, J.E., J.H. Heinrichs, A.E. Erwin, W. Walsh, T. Gayle, M. Dormitzer, R. Dagan, Y. A. Brewah, P. Barren, R. Lathigra, S. Langermann, S. Koenig, and S. Johnson. *Identification and Characterization of a Novel Family of Pneumococcal Proteins (the Pht Family) that are Protective against Sepsis.* Infect. & Immun. 69: 949-958, 2000.
  29. Wizemann, T.M., J.H. Heinrichs, J.E. Adamou, A.E. Erwin, C. Kunsch, G.H. Choi, S.C. Barash, C.A. Rosen, H.R. Masure, E. Tomanen, A. Gayle, Y.A. Brewah, W. Walsh, P. Barren, R. Lathigra, M. Hanson, S. Langermann, S. Johnson, S. Koenig. *Use of Whole-Genome-Approach to Identify Vaccine Molecules Affording Protection against*

- Streptococcus pneumoniae* Infection. Infect. & Immun. 69: 1593-1598, 2000.
30. Evans, T.G., Bonnez, W., Rose, R.C., Koenig, S., Demeter, L., Suzich, J.A., O'Brien, D., Campbell, M., White, W.I., Balsley, J., Reichman, R.C. *A Phase 1 Study of a Recombinant Virus-like Particle Vaccine against Human Papillomavirus Type 11 in Healthy Adult Volunteers.* J. Infect. Dis. 183: 1485-1493, 2001.
  31. Ballou, W.R., J.L. Reed, W Noble, N.S. Young, S. Koenig. *Safety and Immunogenicity of a Recombinant Parvovirus B19 Vaccine Formulated with MF59C.1.* J. Infect. Dis. 187:675-678, 2003
  32. Dhodapkar, K.M., J.L. Kaufman, M. Ehlers, D.K. Banerjee, E. Bonvini, S. Koenig, R.M. Steinman, J.V. Ravetch, and M.V. Dhodapkar. *Selective blockade of inhibitory Fc gamma receptor enables human dendritic cell maturation with IL-12p70 production and immunity to antibody-coated tumor cells.* Proc Natl Acad Sci USA 102:2910-5, 2005